## **Author-Index**

Gornish, M., vide Rubin, G. 26

Grillo Ruggieri, F., vide Carini, S.

Hagberg, H., vide Valtysson, J. 58

Hashimoto, N., vide Tanaka, K. 64

Haupt, W. F., vide Hojer, C. 131

Havakawa, T., vide Tsuda, Y. 198

Rat 188

Hasegawa, A., vide Kameyama, S. 127

Hellström, H.-O., Wanhainen, A., Valtysson,

Hernesniemi, J., vide Savolainen, S. 54

Hillered, L., vide Hellström, H.-O. 188

Hirasima, Y., Endo, Sh., Kato, R., Ohmori,

T., Nagahori, T., Nishijima, M., Kara-

sawa, K., Nojima, Sh., Takaku, A., Plate-

let-Activating Factor (PAF) and the De-

velopment of Chronic Subdural

Hiyama, H., Kubo, O., Tajika, Y., Tohyama,

Hildebrandt, G., vide Hojer, C. 131

Hillered, L., vide Valtysson, J. 58

Haematoma 20

J., Persson, L., Hillered, L., Effect of Tiri-

lazad Mesvlate Given After Permanent

Middle Cerebral Artery Occlusion in

Ahmed, M., vide Baskaya, M. K. 146 Akai F vide Kuroda R 158 Andiné, P., vide Valtysson, J. 58 Andreussi, L., vide Carini, S. 92 Ashkenazi, E., vide Pomeranz, Sh. 121 Ayada, Y., vide Tsuda, Y. 198 Babu, R., Ransohoff, J., Cohen, N., Zagzag, D., Cavernous Angiomas of the Internal Auditory Canal: A Case Report and Review of Literature 100 Balériaux, D., vide Raftopoulos, C. 177 Başkaya, M. K., Suzuki, Y., Seki, Y., Negoro, M., Ahmed, M., Sugita, K., Dural Arteriovenous Malformations in the Anterior Cranial Fossa 146 Ben David, U., vide Rubin, G. 26 Bidaut, L., vide Raftopoulos, C. Bistolfi, F., vide Carini, S. 92 Boullart, L., vide Sieben, G. 193 Braakman, R., vide Kakarieka, A. Brandt, L., vide Pickard, J. D. 152 Calliauw, L., vide Sieben, G. 193 Cantraine, F., vide Raftopoulos, C. Carini, S., Scielzo, G., Grillo Ruggieri, F., Bistolfi, F., Ravegnani, M., Andreussi, L., Halo Ring Supporting the Brown-Roberts-Wells Stereotactic Frame for Fractionated Radiotherapy 92 Carta, F., vide Pau, A. 186 Chaskis, C., vide Raftopoulos, C. 177 Choudhury, A. R., Avoidable Factors that Contribute to Complications in the Surgical Treatment of Chronic Subdural Haematoma 15 Clarysse, S., vide Raftopoulos, C. 177 Cohen, N., vide Babu, R. 100 Coraddu, M., Floris, F., Nurchi, G., Meleddu, V., Lobina, G., Marcucci, M., Evacuation of Traumatic Intracerebral Haematomas Using a Simplified Stereotactic Procedure 6 Elidan, J., vide Pomeranz, Sh. 121 Endo, Sh., vide Hirasima, Y. 20

Fardy, M. J., Zakrzewska, J. M., Patton, D.

Ghobashy, A., Tobler, W., Intraosseous Cal-

Goel, A., Laheri, V., Plate and Screw Fixation

for Atlanto-Axial Subluxation 47

Floris, F., vide Coraddu, M. 6

W., Peripheral Surgical Techniques for

the Management of Trigeminal Neuralgia

- Alcohol and Glycerol Injections 181

varial Meningioma of the Skull Presenting

as a Solitary Osteolytic Skull Lesion: Case

Report and Review of the Literature 105

T., Takakura, K., Meningiomas Associated with Peritumoural Venous Stasis: Three Types on Cerebral Angiogram 31 Ho, Y.-S., vide Wong, Ch.-W. 205 Hojer, C., Hildebrandt, G., Lanfermann, H., Schröder, R., Haupt, W. F., Pilocytic Astrocytomas of the Posterior Fossa. A Follow-up Study in 33 Patients 131 Honda, Y., vide Kameyama, S. 127 Isaka, T., vide Kuroda, R. 158 Iwanaga, H., vide Kawaguchi, S. 166 Jensen, M. E., vide Lanzino, G. 140 Kakarieka, A., Braakman, R., Schakel, E. H. Clinical Significance of the Finding of Subarachnoid Blood on CT Scan After Head Injury 1 Kamada, K., vide Kawaguchi, S. 166 Kameyama, S., Tanaka, R., Honda, Y., Hasegawa, A., Yamazaki, H., Kawaguchi, T., The Long-Term Growth Rate of Residual Acoustic Neurinomas 127 Karasawa, K., vide Hirasima, Y. 20 Kassell, N. F., vide Lanzino, G. 140 Kataoka, K., vide Kuroda, R. 158 Kato, R., vide Hirasima, Y. 20 Kawaguchi, S., Sakaki, T., Kamada, K., Iwanaga, H., Nishikawa, N., Effects of Superficial Temporal to Middle Cerebral Artery Bypass for Ischaemic Retinopathy Due to Internal Carotid Artery Occlusion/ Stenosis 166

Kawasaki, S., vide Tsuda, Y. 198 Kawase, T., Shiobara, R., Toya, Sh., Middle Fossa Transpetrosal-Transtentorial Approaches for Petroclival Meningiomas. Selective Pyramid Resection Radicality 113 Kimura, T., vide Tanaka, K. 64 Kobayashi, S., vide Singh, A. K. 97 Kondziolka, D., Lunsford, L. D., Stereotactic Biopsy for Intrinsic Lesions of the Medulla Through the Long-Axis of the Brainstem: Technical Considerations 89 Kongable, G. L., vide Lanzino, G. 140 Kubo, O., vide Hiyama, H. 31 Kuroda, R., Nakatani, J., Akai, F., Sato, M., Kataoka, K., Isaka, T., Ohtsu, T., Yorimae, A., Remote Subarachnoid Haemorrhage in the Posterior Fossa Following Supratentorial Surgery 158 Laheri, V., vide Goel, A. 47 Lanfermann, H., vide Hojer, C. 131 Lanzino, G., Jensen, M. E., Kongable, G. L., Kassell, N. F., Angiographic Characteristics of Dural Arteriovenous Malformations that Present with Intracranial Hemorrhage 140 Lindquist, Ch., vide Steiner, L. 82 Lobina, G., vide Coraddu, M. 6 Lunsford, L. D., vide Kondziolka, D. Marcucci, M., vide Coraddu, M. 6 Masuko, A., vide Shimoda, M. 171 Matsuo, H., vide Tsuda, Y. 198 Meleddu, V., vide Coraddu, M. 6 Murshid, W. R., Role of Skull Radiography in the Initial Evaluation of Minor Head Injury: A Retrospective Study 11 Nagahori, T., vide Hirasima, Y. 20 Nagasaka, S., vide Yamamoto, M. 85 Nakatani, J., vide Kuroda, R. 158 Naujokat, Ch., vide Niemann, K. 72 Negoro, M., vide Başkaya, M. K. 146 Niemann, K., Naujokat, Ch., Pohl, G., Wollner, C., v. Keyserlingk, D., Verification of the Schaltenbrand and Wahren Stereotactic Atlas 72 Nishijima, M., vide Hirasima, Y. 20 Nishikawa, N., vide Kawaguchi, S. Nojima, Sh., vide Hirasima, Y. 20 Nurchi, G., vide Coraddu, M. Oda, Sh., vide Shimoda, M. 171 Ogata, N., vide Tanaka, K. 64 Ohmori, T., vide Hirasima, Y. 20 Ohtsu, T., vide Kuroda, R. 158

Kawaguchi, T., vide Kameyama, S.

## **Author-Index**

Gornish, M., vide Rubin, G. 26

Grillo Ruggieri, F., vide Carini, S.

Hagberg, H., vide Valtysson, J. 58

Hashimoto, N., vide Tanaka, K. 64

Haupt, W. F., vide Hojer, C. 131

Havakawa, T., vide Tsuda, Y. 198

Rat 188

Hasegawa, A., vide Kameyama, S. 127

Hellström, H.-O., Wanhainen, A., Valtysson,

Hernesniemi, J., vide Savolainen, S. 54

Hillered, L., vide Hellström, H.-O. 188

Hirasima, Y., Endo, Sh., Kato, R., Ohmori,

T., Nagahori, T., Nishijima, M., Kara-

sawa, K., Nojima, Sh., Takaku, A., Plate-

let-Activating Factor (PAF) and the De-

velopment of Chronic Subdural

Hiyama, H., Kubo, O., Tajika, Y., Tohyama,

Hildebrandt, G., vide Hojer, C. 131

Hillered, L., vide Valtysson, J. 58

Haematoma 20

J., Persson, L., Hillered, L., Effect of Tiri-

lazad Mesvlate Given After Permanent

Middle Cerebral Artery Occlusion in

Ahmed, M., vide Baskaya, M. K. 146 Akai F vide Kuroda R 158 Andiné, P., vide Valtysson, J. 58 Andreussi, L., vide Carini, S. 92 Ashkenazi, E., vide Pomeranz, Sh. 121 Ayada, Y., vide Tsuda, Y. 198 Babu, R., Ransohoff, J., Cohen, N., Zagzag, D., Cavernous Angiomas of the Internal Auditory Canal: A Case Report and Review of Literature 100 Balériaux, D., vide Raftopoulos, C. 177 Başkaya, M. K., Suzuki, Y., Seki, Y., Negoro, M., Ahmed, M., Sugita, K., Dural Arteriovenous Malformations in the Anterior Cranial Fossa 146 Ben David, U., vide Rubin, G. 26 Bidaut, L., vide Raftopoulos, C. Bistolfi, F., vide Carini, S. 92 Boullart, L., vide Sieben, G. 193 Braakman, R., vide Kakarieka, A. Brandt, L., vide Pickard, J. D. 152 Calliauw, L., vide Sieben, G. 193 Cantraine, F., vide Raftopoulos, C. Carini, S., Scielzo, G., Grillo Ruggieri, F., Bistolfi, F., Ravegnani, M., Andreussi, L., Halo Ring Supporting the Brown-Roberts-Wells Stereotactic Frame for Fractionated Radiotherapy 92 Carta, F., vide Pau, A. 186 Chaskis, C., vide Raftopoulos, C. 177 Choudhury, A. R., Avoidable Factors that Contribute to Complications in the Surgical Treatment of Chronic Subdural Haematoma 15 Clarysse, S., vide Raftopoulos, C. 177 Cohen, N., vide Babu, R. 100 Coraddu, M., Floris, F., Nurchi, G., Meleddu, V., Lobina, G., Marcucci, M., Evacuation of Traumatic Intracerebral Haematomas Using a Simplified Stereotactic Procedure 6 Elidan, J., vide Pomeranz, Sh. 121 Endo, Sh., vide Hirasima, Y. 20

Fardy, M. J., Zakrzewska, J. M., Patton, D.

Ghobashy, A., Tobler, W., Intraosseous Cal-

Goel, A., Laheri, V., Plate and Screw Fixation

for Atlanto-Axial Subluxation 47

Floris, F., vide Coraddu, M. 6

W., Peripheral Surgical Techniques for

the Management of Trigeminal Neuralgia

- Alcohol and Glycerol Injections 181

varial Meningioma of the Skull Presenting

as a Solitary Osteolytic Skull Lesion: Case

Report and Review of the Literature 105

T., Takakura, K., Meningiomas Associated with Peritumoural Venous Stasis: Three Types on Cerebral Angiogram 31 Ho, Y.-S., vide Wong, Ch.-W. 205 Hojer, C., Hildebrandt, G., Lanfermann, H., Schröder, R., Haupt, W. F., Pilocytic Astrocytomas of the Posterior Fossa. A Follow-up Study in 33 Patients 131 Honda, Y., vide Kameyama, S. 127 Isaka, T., vide Kuroda, R. 158 Iwanaga, H., vide Kawaguchi, S. 166 Jensen, M. E., vide Lanzino, G. 140 Kakarieka, A., Braakman, R., Schakel, E. H. Clinical Significance of the Finding of Subarachnoid Blood on CT Scan After Head Injury 1 Kamada, K., vide Kawaguchi, S. 166 Kameyama, S., Tanaka, R., Honda, Y., Hasegawa, A., Yamazaki, H., Kawaguchi, T., The Long-Term Growth Rate of Residual Acoustic Neurinomas 127 Karasawa, K., vide Hirasima, Y. 20 Kassell, N. F., vide Lanzino, G. 140 Kataoka, K., vide Kuroda, R. 158 Kato, R., vide Hirasima, Y. 20 Kawaguchi, S., Sakaki, T., Kamada, K., Iwanaga, H., Nishikawa, N., Effects of Superficial Temporal to Middle Cerebral Artery Bypass for Ischaemic Retinopathy Due to Internal Carotid Artery Occlusion/ Stenosis 166

Kawasaki, S., vide Tsuda, Y. 198 Kawase, T., Shiobara, R., Toya, Sh., Middle Fossa Transpetrosal-Transtentorial Approaches for Petroclival Meningiomas. Selective Pyramid Resection Radicality 113 Kimura, T., vide Tanaka, K. 64 Kobayashi, S., vide Singh, A. K. 97 Kondziolka, D., Lunsford, L. D., Stereotactic Biopsy for Intrinsic Lesions of the Medulla Through the Long-Axis of the Brainstem: Technical Considerations 89 Kongable, G. L., vide Lanzino, G. 140 Kubo, O., vide Hiyama, H. 31 Kuroda, R., Nakatani, J., Akai, F., Sato, M., Kataoka, K., Isaka, T., Ohtsu, T., Yorimae, A., Remote Subarachnoid Haemorrhage in the Posterior Fossa Following Supratentorial Surgery 158 Laheri, V., vide Goel, A. 47 Lanfermann, H., vide Hojer, C. 131 Lanzino, G., Jensen, M. E., Kongable, G. L., Kassell, N. F., Angiographic Characteristics of Dural Arteriovenous Malformations that Present with Intracranial Hemorrhage 140 Lindquist, Ch., vide Steiner, L. 82 Lobina, G., vide Coraddu, M. 6 Lunsford, L. D., vide Kondziolka, D. Marcucci, M., vide Coraddu, M. 6 Masuko, A., vide Shimoda, M. 171 Matsuo, H., vide Tsuda, Y. 198 Meleddu, V., vide Coraddu, M. 6 Murshid, W. R., Role of Skull Radiography in the Initial Evaluation of Minor Head Injury: A Retrospective Study 11 Nagahori, T., vide Hirasima, Y. 20 Nagasaka, S., vide Yamamoto, M. 85 Nakatani, J., vide Kuroda, R. 158 Naujokat, Ch., vide Niemann, K. 72 Negoro, M., vide Başkaya, M. K. 146 Niemann, K., Naujokat, Ch., Pohl, G., Wollner, C., v. Keyserlingk, D., Verification of the Schaltenbrand and Wahren Stereotactic Atlas 72 Nishijima, M., vide Hirasima, Y. 20 Nishikawa, N., vide Kawaguchi, S. Nojima, Sh., vide Hirasima, Y. 20 Nurchi, G., vide Coraddu, M. Oda, Sh., vide Shimoda, M. 171 Ogata, N., vide Tanaka, K. 64 Ohmori, T., vide Hirasima, Y. 20 Ohtsu, T., vide Kuroda, R. 158

Kawaguchi, T., vide Kameyama, S.

Oka, K., vide Yamamoto, M. 85 Okudera, H., vide Singh, A. K. 97 Osawa, M., vide Singh, A. K. 97 Otte, G., vide Sieben, G. 193 Patel, S. J., vide Suzuki, Y. 39 Patton, D. W., vide Fardy, M. J. Pau, A., Silvestro, C., Carta, F., Can Lacerations of the Thoraco-Lumbar Dura be Predicted on the Basis of Radiological Patterns of the Spinal Fractures? 186 Persson, L., vide Hellström, H.-O. 188 Persson, L., vide Valtysson, J. 58 Pickard, J. D., Walker, V., Brandt, L., Zvgmunt, S., Smythe, J., Effect of Intraventricular Haemorrhage and Rebleeding Following Subarachnoid Haemorrhage on CSF Eicosanoids 152 Pohl, G., vide Niemann, K. 72 Pomeranz, Sh., Umansky, F., Elidan, J., Ashkenazi, E., Valarezo, A., Shalit, M., Giant Cranial Base Tumours 121 Praet. M., vide Sieben, G. 193 Raftopoulos, C., Bidaut, L., Chaskis, C., Cantraine, F., Clarysse, S., Balériaux, D., Brain Oedema Induced by Ventricular Puncture 177 Ransohoff, J., vide Babu, R. 100 Rappaport, Z. H., vide Rubin, G. 26 Ravegnani, M., vide Carini, S. 92 Roels, H., vide Sieben, G. 193 Rubin, G., Ben David, U., Gornish, M., Rappaport, Z. H., Meningiomas of the Anterior Cranial Fossa Floor 26 Sakaki, T., vide Kawaguchi, S. 166 Sato, M., vide Kuroda, R. 158 Sato, O., vide Shimoda, M. 171 Savolainen, S., Usenius, J. P., Hernesniemi, J., Iliac Crest versus Artificial Bone Grafts in 250 Cervical Fusions 54 Schakel, E. H., vide Kakarieka, A. 1 Schröder, R., vide Hojer, C. 131

Scielzo, G., vide Carini, S. 92

Seki, Y., vide Baskava, M. K. 146 Shalit, M., vide Pomeranz, Sh. 121 Shibata, M., vide Shimoda, M. Shibuya, M., vide Suzuki, Y. 39 Shimoda, M., Oda, Sh., Shibata, M., Masuko, A., Sato, O., Change in Regional Cerebral Blood Flow Following Glycerol Administration Predicts 171 Shiobara, R., vide Kawase, T. Sieben, G., Praet, M., Roels, H., Otte, G., Boullart, L., Calliauw, L., The Development of a Decision Support System for the Pathological Diagnosis of Human Cerebral Tumours Based on a Neural Network Classifier 193 Silvestro, C., vide Pau, A. 186 Singh, A. K., Okudera, H., Kobayashi, S., Osawa, M., Tokushige, K., A Newly Designed Attachment Device of Multipurpose Frame for Neuronavigator 97 Smythe, J., vide Pickard, J. D. 152 Steiner, L., Lindquist, Ch., A Stereotactic Guide for Microsurgery 82 Sugimoto, T., vide Suzuki, Y. 39 Sugita, K., vide Başkaya, M. K. 146 Sugita, K., vide Suzuki, Y. 39 Suzuki, Y., Sugimoto, T., Shibuya, M., Sugita, K., Patel, S. J., Meningiomas: Correlation Between MRI Characteristics and Operative Findings Including Consistency 39 Suzuki, Y., vide Başkaya, M. K. 146 Tajika, Y., vide Hiyama, H. 31 Takakura, K., vide Hiyama, H. 31 Takaku, A., vide Hirasima, Y. 20 Tanaka, K., Tsukahara, T., Hashimoto, N., Ogata, N., Yonekawa, Y., Kimura, T., Taniguchi, T., Effect of Nerve Growth Factor on Delayed Neuronal Death After Cerebral Ischaemia 64 Tanaka, R., vide Kameyama, S. 127 Taniguchi, T., vide Tanaka, K. 64

Tobler, W., vide Ghobashy, A. 105 Tohyama, T., vide Hiyama, H. 31 Tokushige, K., vide Singh, A. K. 97 Tomonaga, M., vide Yamamoto, M. 85 Toya, Sh., vide Kawase, T. 113 Tsuda, Y., Yamada, K., Hayakawa, T., Ayada, Y., Kawasaki, S., Matsuo, H., Cortical Blood Flow and Cognition After Extracranial-Intracranial Bypass in a Patient with Severe Carotid Occlusive Lesions 198 Tsukahara, T., vide Tanaka, K. 64 Umansky, F., vide Pomeranz, Sh. 121 Usenius, J. P., vide Savolainen, S. 54 Valarezo, A., vide Pomeranz, Sh. 121 Valtysson, J., Hillered, L., Andiné, P., Hagberg, H., Persson, L., Neuropathological Endpoints in Experimental Stroke Pharmacotherapy: The Importance of Both Early and Late Evaluation 58 Valtysson, J., vide Hellström, H.-O. 188 v. Keyserlingk, D., vide Niemann, K. 72 Walker, V., vide Pickard, J. D. 152 Wanhainen, A., vide Hellström, H.-O. 188 Wollner, C., vide Niemann, K. 72 Wong, Ch.-W., Ho, Y.-S., Intraventricular Haemorrhage and Hydrocephalus Caused by Intraventricular Parasitic Granuloma Suggesting Cerebral Sparganosis 205 Yamada, K., vide Tsuda, Y. 198 Yamamoto, M., Oka, K., Nagasaka, S., Tomonaga, M., Ventriculoscope-Guided Ventriculoperitoneal Shunt and Shunt Revision 85 Yamazaki, H., vide Kameyama, S. 127 Yonekawa, Y., vide Tanaka, K. 64 Yorimae, A., vide Kuroda, R. 158 Zagzag, D., vide Babu, R. 100 Zakrzewska, J. M., vide Fardy, M. J. 181 Zygmunt, S., vide Pickard, J. D. 152

## Author-Index (Abstracts)

- Abdennebi, B., Artabaz, Y., Nediahi, M., Partial and Selective Neurotomy for Localized Spastic Disorders in the Lower Limb 215
- Alesch, F., Pinter, M. M., Helscher, R. J., Koos, W. Th., Chronic Stimulation of the Ventral Intermediate Nucleus in the Treatment of Tremor Dominated Par-Disease and Essential ksinson's Tremor 212
- Alexander III, E., Genada, B., Johnson, K., Holman, L. M., Loeffler, J. S., The Utility of Spect-CT Stereotactic Craniotomy for Stereotactic Radiation Glioblastoma 222
- Amano, K., Arai, K., Iwata, Y., Kawabatake, H., Kawamura, H., Takakura, K., Narcotics or Other Alternatives for Pain Relief? The Important Role of Percutaneous Cordotomy for Cancer Pain 245
- Assaker, R., Blond, S., Armignies, Ph., Bussiet, N., Sleiman, M., Boucly, E., Guieu, J. D., Spinal Cord Stimulation in Chronic Neuropathic Sciatalgia. A Study of 130 Patients 236
- Assaker, R., Cortet-Rudelli, C., Blond, S., Dewailly, D., Coche-Dequeant, B., Castelain, B., Stereotactic Radiosurgery in Pituitary Adenomas 218
- Barlas, O., Can, M., Miyandoabçi, S., Stereotaxis in the Management of Mass Lesions of the Third Ventricular Region 232
- Barlas, O., Örnek, I., Can, M., Özcan, H., Thalamotomy in the Management of Dystonia 211
- Benabid, A. L., Pollak, P., Benazzouz, A., Gao, D. M., Hoffmann, D., Limousin, P., Gross, C., Deep Brain Stimulation in Movement Disorders 209
- Blagodatsky, M. D., Larionov, S. N., Alexandrov, Yu. A., Komarevsky, A. V., Surgical Treatment of Syringomyelia with Deafferentation Pain 240
- Blagodatsky, M. D., Suphyanov, A. A., Kibort, R. V., Seminsky, I. J., Ryabtsovsky, A. A., A New Approach to the Surgical Treatment of Syringomyelia 218
- Blond, S., Destee, A., Caparros-Lefebvre, D., Defebvre, L., Guieu, J. D., Petit, H., Chronic Stereotactic Stimulation of the Ventral Intermediate Thalamic Nucleus and Involuntary Movements 212
- Blond, S., Sleiman, M., Hladky, J. P., Coche-Dequeant, B., Castelain, B., Rousseau, J.,

- Pruvo, J. P., Stereotactic Radiosurgery for Arteriovenous Malformations of the Brain: Results from a First Series of 113 Cases 224
- Borras, J. M., Castilla, J. M., Perez-Calvo, J. M., Garcia-Salazar, F., LaCruz, C., Carrillo. R., Value of the Intraoperatory Smear in Stereotactic Biopsy of the Brain 233
- Boyar, B., Göçer, I., Ildan, F., Çetinalp, E., Karadayi, A., Stereotactic Percutaneous Third Ventroculostomy 230
- Bregvadze, E. Sh., Lortkipanidze, G. S., Dynamics of Local CBF in the Deep Epileptical Foci at Different Stages of Seizures 249
- Broggi, G., Brock, S., Franzini, A., Giombini, S., Pluchino, F., Hemifacial Spasm: Treatment with Resolution of Neurovascular Conflict 244
- Broggi, G., Casazza, M., Franzini, A., Servello, D., Giombini, S., Valentini, M. C., Surgical Excision and Epilepsy in Supratentorial Cavernous Malformations 250
- Broseta, J., Garcia-March, G., Sanchez-Ledesma, M. J., Goncalves, J., High Cervical Spinal Cord Electric Stimulation in Cerebral Low Perfusion Syndromes. Experimental Basis and Preliminary Clinical Experience 243
- Callovini, G. M., Conti, L., Rinaldi, A., Santucci, N., Gazzeri, G., Intracranial Epileptogenic Arachnoid Cysts in Adults: Are Seizure Manifestations Manageable with Surgery? Preliminary Report 251
- Callovini, G. M., Fiume, D., Fiume, F., Conti, L., SEP or MEP Monitoring in Spinal Surgery 246
- Caracalos, A., Long-Term Follow-up of Twelve Cases of Extrapyramidal Disorders 214
- Castilla, J. M., Borras, J. M., Garcia-Salazar, F., Perez-Calvo, J. M., Ferreras, B., Cosin, J., La-Cruz, C., Carrillo, R., Value of the Stereotactic Biopsy in the Management of Patients with Acquired Immunodeficiency Syndrome with Cerebral Lesions 231
- Castilla, J. M., Borras, J. M., Garcia-Salazar, F., Santacana, M., Carrillo, R., Effects of Donor Age and Gangliosides in Cerebral Cortical Implants. An Experimental Study 217

- Gene Expression in Corticospinal Neurons After Spinal Cord Transection and Foetal CNS Transplantation 217
- Chkhenkeli, S., Gagoshidze, T., Clinical and Neuropsychological Effects of Selective Vim and Vop Thalamotomy 210
- Cioni, B., Meglio, M., Visocchi, M., Pentimalli, L., Increase of Spasticity 10 Years After Spinal Cord Injury: Cord Compression by Osteoma 215
- Cioni, B., Meglio, M., Visocchi, M., Pentimalli, L., Spinal Cord Monitoring During Microsurgery for Syringomyelia 246
- Cosgrove, G. R., Baer, L., Rauch, S., Ballantine, H. T., Cassem, E., Manzo, P., Jenike, M., Prospective Long-Term Follow-up Study of Cingulotomy for Intractable OCD 216
- Cosgrove, G. R., Zervas, N. T., Hochberg, F. H., Valenzuela, R., Pardo, F., Briggs, P., Beatty, J., Interstitial Photonic Radiosurgery for Intracranial Tumours 220
- Dalbasti, T., Electrophysiological and Chemical Evaluation of Epileptic Tissue. An Experimental Study 249
- Demierre, B., Blanc, Y., Microsurgical DREZ-TOMY for Pain and Spasticity 239
- Devaux, B., Roux, F. X., Merienne, L., Turak, B., Belliard, H., Leriche, B., Cioloca, C., Prerequisites for the Use of a High Power Diode Laser in Stereotactic Neurosurgery 230
- Dogali, M., Beric, A., Sterio, D., Eidelberg, D., Fazini, E., Kolodny, E., Samelson, D., Pallidotomy: Where are We? 209
- Dones, I., Servello, D., Broggi, G., The Neurophysiological Assessment of Walking in Spastic Patients Before and During Intrathecal Baclofen 215
- Doshi, P. K., Thomas, D. G. T., Kitchen, N. D., A Frameless Stereotactic Approach to Preoperative Neurosurgical Planning and Interactive Surgery 227
- Dreval, O., Akatov, O., Kononov, Yu., Ivanin, A., Ultrasonic DREZ Procedures for the Treatment of Pain Syndromes 239
- Dreval, O., Krivitskaya, G., Akatov, O., Morphological Changes in the Nociceptive System Following Experimental Pain Produced by Preganglionic Brachial Plexus Avulsion 238
- Chi, Y., Gan, S.-D., Zhou, D.-B., Tubulin Erdem, A., Çaglar, S., Batay, F., Epilepsy

Surgery. A Clinical Analysis of 54 Cases 251

Erkan, K., Can, M., Barlas, O., Stereotaxic Management of Brain Abscesses 231

Fankhauser, H., Glauser, D., Favre, J., Safety Aspects of a Neurosurgical Robot for Automated Stereotactic Interventions 228

Fiume, D., Calliovini, G. M., Parziale, G., Sherkat, S., Treatment of Failed Back Surgery Syndrome with Lumbo-Sacral Epidural Fibrosis 235

Fiume, D., Santini, M., Cardinale, M., Bubbico, G., De Seta, F., Gazzeri, G., Permanent Spinal Cord Stimulation in Patients with Coronary Heart Disease. Preliminary Data 243

Frank, F., Fabrizi, A. P., Acciarri, N., Ricci, Stereotactic Management

Craniopharyngiomas 219

Frank, F., Ricci, R., Fabrizi, A. P., Stereotactic Isotope Implants in Low-Grade Malignant Thalamic Tumours 222

Franzini, A., Broggi, G., Lasio, G., Valentini, L., Giombini, S., Pluchino, F., Relevance and Future Perspectives of Stereotactic Procedures in the Treatment of Supratentorial Germ Cell Tumors 224

Friehs, G. M., Schrottner, O., Pendl, G., Management of Skull Base Meningiomas: an Approach with Combined Surgery and Radiosurgery 220

Gagoshidze, T., Rakviashvili, T., Effects of Bilateral Thalamotomy on Cognitive Functions 213

Galanda, M., Horvath, N., Stereotactic Neurostimulation in the Region of Brachia Conjunctiva Cerebelli 213

Gonçalves-Ferreria, A., Carvalho, H., Pimental, J., Gomes, L., Stereotactic Biopsy of Primary Brain Lymphomas 232

Gorecki, J., Nashold, Jr., B., Ovelmen-Levitt, J., Case Report of Trigeminal Deafferentation Pain Following Radiosurgery of a Vestibular Schwannoma Treated by Nucleus Caudalis DREZ 240

Gouda, K., Freidberg, S., Adaptation of the "Gouda Frame" to the MRI Scanner

Gramaglia, A., Giorgi, C., Basso Ricci, S., Leonardi, M. C., Scorsetti, M., Grandi, C., Licitra, L., Ivaldi, G., Somigliana, A., Filice, S., Casolino, D., Cerchiari, U., Role of Single-Multiple Isocenter or Conformal Radiotherapy in the Rescue Treatment of Previously Irradiated Head and Neck Cancer 224

Gramaglia, A., Giorgi, C., Basso Ricci, S., Vaghi, M. A., Bruzzone, M. G., Milenasi, I., Ivaldi, G., Somigliana, A., Crippa, M., Scorsetti, M., Cerchiari, U., Linear Accelerator Radiosurgery as Treatment of Cerebral Metastases 222

Grigoryan, Yu. A., Ogleznev, K. Ya., Slavin, K. V., Ultrasonic Trigeminal Nucleotomy for Deafferentation Facial Pain: Anatomical Data and Surgical Considerations 240

Gybels, J., Neurosurgical Approaches to the Treatment of Pain in Malignancy 244

Håkanson, S., Linderoth, B., The Transoval Trigeminal Cisternography Retrogasserian Glycerol Injection 242

Hassenbusch, S., Stanton-Hicks, M., Covington, E., Spinal Cord Stimulation (SCS) Versus Spinal Infusion Pump (SIP) for Low Back/Leg Pain 236

Hellwig, D., Bauer, B. L., Stereotactic Endoscopic Interventions in Cystic Brain

Lesions 231

Herregodts, P., D'Haens, J., Cortical Stimulation for Central Neuropathic Pain: 3-D Surface MRI for Fasy Determination of the Motor Cortex 238

Hirato, M., Ishihara, J., Horikoshi, S., Shibazaki, T., Ohye, C., Parkinsonian Rigidity, DID and Chorea - Dynamic Studies of the Basal Ganglia-Thalamocortical Motor Circuit Using PET Scan and Depth Microrecording 210

Holsheimer, J., Struijk, J. J., Barolat, G., He, J., den Boer, J. A., Rozeboom, A., Significance of Spinal Cord Position in Epidural Spinal Cord Stimulation 234

Inoue, H. K., Hirato, M., Kohga, H., Shibazaki, T., Ohye, C., Radiosurgery for Tumours Around the Optic Chiasm: Diagnostic Advancement and Staged Treatment 219

Kanpolat, Y., Çaglar, S., Akyar, S., Temiz, C., CT Guided Pain Procedures for Intractable Pain in Malignancy 245

Kanpolat, Y., Çaglar, S., Attar, A., DREZ Operations 238

Karlsson, B., Kihlström, L., Lindquist, C., Steiner, L., Gamma Knife Surgery Protects AVM from Rupture Prior to Obliteration 225

Kars, H. Z., Akmil, U., Göksel, M., Stereotactic Haematoma Evacuation 232

Kihlström, L., Karlsson, B., Mogaard, J., Lindquist, C., Gamma Knife Surgery for Skull Base Meningiomas: Long-Term Follow-up 220

King, A. T., Delamonte, S., Polkey, C. E., Binnie, C. D., Neurophysiology and Callosal Surgery for Epilepsy 250

Kitchen, N. D., Kelly, D., Marsh, H., Surgery for Affective Disorders at Atkinson Morley's Hospital 1948-1994 216

Kitchen, N. D., Watabe, H., Cunningham, V. J., Jones, A. K. P., Jones, T., Thomas, D. G. T., Cerebral Responses to Trigeminal Neuralgia Demonstrated Using 11C-Diprenorphine PET 241

Knutsson, E., Localization of Epileptic Foci with Multichannel Magnetoencephalog-

raphy, MEG 248

Koivukangas, J., Louhisalme, Y., Oikarinen, J., Koivukangas, P., Ohinmaa, A., Neuronavigator Surgery: Clinical Indications and Cost-Effectiveness 227

Kopp, N., Adabotti, J., Sindou, M., Histological Study (Photon and Electron Microscopic) of Trigeminal Rootlet Specimens in Patients with Idiopathic Trigeminal Neuralgia Operated on for Vascular Decompression (13 Cases) 241

Kreth, F. W., Faist, M., Warnke, P. C., Ostertag, C. B., Risk Evaluation of Interstitial I125-Radiosurgery for Patients with Low-Grade Gliomas 221

Kurada, R., Yorimae, A., Yamada, Y., Furuta. Y., Frontal Cingulotomy Reconsidered from an Experimental Anatomical Study in Cat 216

Kyung, J. L., Chang, R. C., Radioprotection Effect of 21-Aminosteroid U74389F on Brachy-Therapy Brain Injury in the Rat: Histopathological Study 226

Landi, A., Colombo, F., Acoustic and Somatosensory Evoked Potential Monitoring During Posterior Fossa Surgery 247

Landi, A., Colombo, F., Facial Nerve Monitoring During Acoustic Neuroma Removal 247

Law, J. D., Intractable Pain of Both Arms and Both Legs Can be Treated with Complex Spinal Cord Stimulation 236

Lazorthes, Y., Bes, J. C., Tafani, M., Tkaczuk, J., Sallerin, B., Nahrin, I., Verdie, J. C., Abbal, M., Caratero, C., Transplantation of Human Chromaffin Cells for Intractable Cancer Pain Control 244

Lehmann, R. M., Kim, H., Partial Seizures with Onset in the Central Area: Use of the Callosal Grid System for Localization 250

Lemaire, J. J., Chazal, J., Irthum, B., Khalil, T., Seigneuret, E., Sinardet, D., Chabane. A., Sankari, F., Planification of Stereotactic Procedures with a Perioperative Real-Time Simulation on 3D Reconstructions of the Target and the Trajectory 228

Lemieux, L., Jagoe, R., Fish, D. R., Kitchen, N. D., Thomas, D. G. T., Method for Sub-Millimetric Frameless Patient to CT Registration Based on Radiographs 227

Lemieux, L., Kitchen, N. D., Fish, D. R., Shorvon, D., Thomas, D. G. T., The Value of Post-Operative Imaging Studies in Epilepsy Surgery 249

Lind, G., Gazelius, B., Linderoth, B., Meyerson, B. A., Monitoring of Peripheral Microcirculation During Endoscopic Transthoracic Sympathicotomy 244

Linderoth, B., Gherardini, G., Ren, B., Lundeberg, T., Pre-Emptive Spinal Cord Stimulation Reduces Ischemia in an Animal Model of Vasospasm 243

Masmanides, A., Konstantinou, D., Partheni, M., Tzortzidis, F., Papadakis, N., Monitoring of Somatosensory Evoked Potentials (SEPs) During Surgery for Intracranial Aneurysms 247

Mauguière, F., Monitoring of Spinal Cord Evoked Potentials (SCEPs) During Spinal Surgery for Pain and Spasticity

Mazzone, P., Pizio, N., Arena, P., Fortuna, L., Pisani, R., A Neural Network Analysis of SSEP Patterns During SCS in Humans 246 Mertens, P., Parise, M., Sindou, M., Garcia Larea, L., Mauguiere, F., Benetton, C., Millet, M., Eyssette, M., Boisson, D., Long-Term Clinical, Urodynamic and Electrophysiological Effects of Chronic Intrathecal Baclofen Infusion for Treatment of Spinal Spasticity 214

Mertens. P., Tournut. P., Sindou, M., Jouvet, A., Froment, J. C., MRI Study of Microsurgical Drezotomy (MDT) 239

Meyer, C. H. A., Neural Transplantation 217

Meyerson, B. A., Ren, B., Herregodts, P., Linderoth, B., Spinal Cord Stimulation (SCS) Selectively Influences AB Fiber Functions. Experimental Mononeuropathy Used for the Study of Mechanisms Involved in SCS Pain Relieving Effect 233

Moringlane, J. R., Voges, M., Real-Time Ultrasonic Imaging of Cerebral Lesions During Stereotactic Burr Hole Proce-

dures 229

Munari, C., Kahane, P., Tassi, L., Francione, S., Hoffman, D., Lo Russo, G., Quarato, P. P., Di Leo, M., Benabid, A. L., Stereo-EEG and Intracranial Recordings: Two Different Methodological Approaches 248

Nicolato, A., Gerosa, M. A., Piovan, E., Zampieri, P., Pasoli, A., Foroni, R., Giri, M. G., Bricolo, A., Experience of One Year Gamma Knife Radiosurgery in Primary and Metastatic Brain Tumours. Preliminary Results 223

Norregaard, T. V., Nucleus Caudalis Ra-Nucleotomy - Outcome diofrequency

and Complications 240

North, R. B., Kidd, D. H., Lee, M. S., Piandtadosi, S., A Prospective Randomized Study of Spinal Cord Stimulation Versus Reoperation for Failed Back Surgery Syndrome 235

North, R. B., McNamee, J. P., Wu, L., Piantodosi, S., Artificial Neural Networks: Application to Electrical Stimulation of the Human Nervous System 234

Ohye, C., Advances in Treatment of Movement Disorders from a Surgical View Point 209

Pelissou-Guyotat, I., Pica, A., Sentenac, I., Rocher, F. P., Romestaing, P., Deruty, R., Gerard, J. P., Linear Accelerator Radiosurgery (LINAC RS) of Cerebral Arteriovenous Malformations (AVMs): Two Years Results 225

Peragut, J. C., Viallet, F., Régis, J., Rey, M., Vim Stimulation in a Case of Post-Traumatic Midbrain Tremor 212

Polkey, C. E., Binnie, D. D., Multiple Subpial Transection - a Useful Technique? 250

Prasad, D., Steiner, M., Rees Cosgrove, G., Steiner, L., Seizure Outcome of Gamma Knife Surgery for AVM 225

Raeva, S., Arutynov, A., Vasin, N., Kadin, A., Shabalov, V., Vainberg, N., Shtock, A., Two Strategies of Selective Stereotactic Treatment of Parkinsonism and Tor-

ticollis Using Technique 211

Rakviashvili, T. N., Chkhenkeli, S. A., Differential Approaches to Stereotactic Surgery in the Treatment of Local Forms of Torsion Dystonia 214

Rattai, M., Lukac, J., Ruzicky, E., Stereotactic Treatment of Deep Brain Abscesses 231

Razon, N., Oukanine, G. E., Salame, K., Stereotactic Biopsies and Centered Craniotomies Using the Z-D STX System: the Tel-Aviv Medical Centre Experiences 229

Régis, J., Manera, L., Dufour, H., Porcheron, D., Sedan, R., Peragut, J. C., Effects of Gamma Knife Surgery on Trigeminal Neuralgia 242

Ren, B., Linderoth, B., Meyerson, B. A., Effect of Spinal Cord Stimulation on the Flexor Reflex in Experimental Mononeuropathy is not Dependent on a Supraspinal Loop 234

Richardson, D. E., Thalamic Syndrome: to

Burn or Ignite? 237

Riva, D., Pantaleoni, C., Devoti, M., Zorzi, C., Lindquist, C., Giorgi, C., Neurocognitive Outcome in Children Treated with Radiosurgery for Cerebral AVMs 225

Rousseau, J., Gibon, D., Coste, E., Leclecq, X., Coche-Dequent, B., Blond, S., Marchandise, X., A Frameless Stereotaxic Localisation Using MRI, CT, and **DSA** 227

Rymar, V., Matkovsky, V., Lebedev, L., Stereotactic Microinjections of Neuroactive Substances (NAS) in Cerebral Palsy Using Chronic Intracerebral Chemoelectrodes (CHICHE) 213

Salar, G., Costella, G. B., Mazzetto, M., Iob, I., Azuelos, A., Della Puppa, A., Peserico, L., Spinal Subdural Infusion System for Benign Chronic Intractable Pain 237

Sandelman, D., The Impact of Interactive Image Guided Neurosurgery: The Bristol Experience with the ISG Viewing Wand

Schätz, C. R., Kreth, F. W., Faist, M., Warnke, P. C., Ostertag, C. B., Interstitial Radiosurgery of Insular Gliomas 222

Shubin, Y., Ming, G., Qingan, Y., A New CT Guided Method for Localization of Brain Nuclei in Stereotactic Surgery 215

Siegfried, J., Advances in the Treatment of Movement Disorders 210

Sindou, M., Microsurgical Dreztomy (MDT) for Pain, Spasticity and Hyperactive Bladder: A 20 Year-Experience 238

Sindou, M., Chiha, M., Mertens, P., Anatomical Findings in Microsurgical Vascular Decompression (MVD) for Trigeminal Neuralgia (TN) and Correlations Between Topography of Pain and the Site of the Conflict Around the Root 241

Son, E., Yim, M., Kim, I., Choi, T., Kim, O., Preliminary Experience of Stereotactic Radiosurgery Using a New Photon Knife Radiosurgery System 221

the Microelectrode Spiegelmann, R., Gofman J., Linac Radiosurgery of Irregular Targets: Shaping of the Isodose Distribution by Combination of Different Collimator Sizes Within a Single Isocenter 221

Spiegelmann, R., Gofman, J., Brenner, H., Sahar, A., Radiosurgery for Acoustic Schwannomas: Comparison of One and Two Isocenters Treatment Techniques 219

Sramka, M., Knepo, P., Frohich, J., Ruzichy, E., Zlatos, J., Bolf, J., Stereotactic Apparatus for Open Spinal Cord Surgery 229

Sutter, B., Steiner, M., Prasad, D., Steiner. L., Thirty-Nine Patients with Pituitary Tumors Treated with the Gamma Knife 218

Taira, T., Kawamura, H., Tanikawa, T., Kawabatake, H., Iseki, H., Ueda, A., Takakura, K., A New Approach to Control of Central Deafferentation Pain - Spinal Intrathecal Baclofen 237

Taren, J., Neuromodulation for Chronic Pain in "Failed Back" Syndrome 236

Taren, J., Ross, D., Lu, Y., Harmon, L., 3D Laser Scanning for Image Guided Stereotactic Neurosurgery 228

Tekavcic, I., Kusej, M., Long-Term Results of Stereotactic Thalamotomy for Parkinsonian Tremor and Rigor 213

Tsimbaliuk, Y. I., Verkchogljadova, T. P., Sliuko, E. I., An Experimental Study of the Efficacy of Psychosurgical Operation in Preventing Development of Schizophrenic Hypofrontality 216

Turak, B., Devaux, B., Chassoux, F., Landre, E., Chagot, D., Chodkiewicz, J. P., Localization of the Central Region in Patients Presenting with Infantile Hemiplegia: Imaging and Electrophysiological Data 249

van Veelen, C. W. M., Sadzot, B., van Isselt, H. W., Debets, R. M. Chr., van Huffelen, A. C., Franck, G., Benzodiazepine Receptor Binding with 11C-Flumazenil PET and 123I-Iomazenil SPECT, Compared with 18FDG PET in Temporal Epilepsy 248

Velasco, F., Velosco, M., Jimenez, F., Rise, M., Centromedian Thalamic Nucleus Stimulation for the Control of Seizures. Long-Term Results 251

Voges, J., Sturm, V., Bramer, R., Pahlke, H., Lehrke, R., Treuer, H., Banik, N., Kim, D. G., Hövels, M., Malignant Cerebral Glioma - Interstitial Irradiation with Stereotactically Implanted Low-Dose Rate Iodine-125 Seeds in Combination with External Fractionated Radiotherapy (Reduced Boost-Dose) 223

Voges, J., Sturm, V., Deuss, U., Traud, C., Treuer, H., Lehrke, R., Kim, D. G., Müller, R. P., LINAC-Radiosurgery (LINAC-RS) in Pituitary Adenomas Preliminary Results 218

Warnke, P. C., Savas, A., Ginap, T., Feuer-

stein, T., Ostertag, C. B., Effect of Inter-stitial and External Beam Radiosurgery on Choline-Uptake of Hippocampal Brain Slices 226

Whittle, I. R., CT Guided Thalamotomy for Movement Disorders in Multiple Scle-

Taylor, R., Does Stereotactic Biopsy of Dominant Hemispheric Glioma Impair Speech and Language Functions? 230

Zileli, M., Coskun, E., Yegül, I., Uyar, M., Electrophysiological Monitoring During CT Guided Percutaneous Cordotomy. A rosis: Problems and Paradoxes 211

Whittle, I. R., Thomson, A.-M., Fraser, D.,
Zirh, T. A., Pamir, M. N., Özer, A. F., Sav,

A., Erzen, C., Stereotactic Brain Biopsies 233

Zirh, T. A., Pamir, M. N., Siva, A., Sav, A., Erzen, C., Histopathological Evaluation of Stereotactic Brain Biopsies from Non-Neoplastic Central Nervous System Lesions 233